

Converting Colors

XYZ(42.6562, 45.4900, 15.9268)

Have a look what the booklet for
XYZ(42.6562, 45.4900, 15.9268)
contains.

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Color

**XYZ(42.6254, 45.3994,
15.9676)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB259
RGB	204, 178, 89
RGB Percent	80%, 70%, 35%
CMY	0.2000, 0.3019, 0.6510
CMYK	0.00, 0.13, 0.56, 0.20
HSL	46°, 53%, 57%
HSV	46°, 56%, 80%
XYZ	42.6254, 45.3994, 15.9676
YIQ	175.6280, 44.0650, -22.1670

Conversions

Conversions Part 2

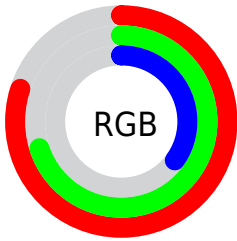
Format	Color
RYB	123, 204, 89
Decimal	13415001
CIELab	73.15, -1.57, 48.25
CIELCh	73, 48.271, 91.859
Yxy	45.3994, 0.4099, 0.4366
Android (android.graphics.Color)	4291605081 (0xFFCCB259)
YUV	175.6280, -42.7076, 24.8822
Hunter-Lab	67.3791, -4.9906, 33.1147

Details

The XYZ color **42.6254, 45.3994, 15.9676** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **21.1495, 18.7444, 59.6298**, and the grayscale version is **41.2733, 43.4227, 47.2873**.

A 20% lighter version of the original color is **75.1866, 81.4609, 36.9601**, and **19.8433, 21.2647, 4.8924** is the 20% darker color. If you saturate the color by 10%, you get **40.9829, 43.3006, 11.7636**, and if you desaturate by 10%, it is **44.5383, 47.6592, 21.4336**.

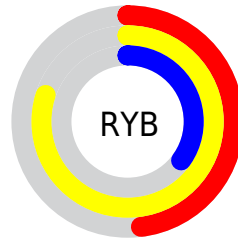
Distribution



Red (80%)

Green (70%)

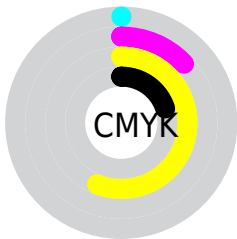
Blue (35%)



Red (48%)

Yellow (80%)

Blue (35%)

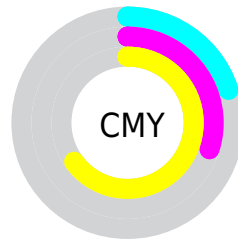


Cyan (0%)

Magenta (13%)

Yellow (56%)

Black (20%)



Cyan (20%)

Magenta (30%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6254, 45.3994, 15.9676 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 42.6254, 45.3994, 15.9676 by changing the saturation by 10% instead.

■ 42.6254, 45.3994,
15.9676

■ 42.6254, 45.3994,
15.9676

348.0166,
368.3887, 240.9896

■ 29.7846, 31.7721,
9.3471

■ 78.4045, 83.3194,
37.3080

■ 19.8224, 21.1875,
4.8684

■ 102.0735,
108.3810, 52.8649

■ 12.3735, 13.2611,
2.1129

■ 130.0826,
138.0228, 72.2378

■ 7.0726, 7.6086,
0.6234

■ 162.7971,
172.6291, 95.8451

■ 3.5543, 3.8455,
0.0000

200.5824,
212.5845, 124.1054

■ 1.4532, 1.5875,
0.0000

243.8038,

■ 0.2937, 0.3492,

258.2733, 157.4372

0.0000

292.8268,
310.0799, 196.2591

■ 0.0000, 0.0000,
0.0000

■ 42.6254, 45.3994,
15.9676

■ 42.6254, 45.3994,
15.9676

■ 40.9829, 43.3006,
11.7636

■ 44.5383, 47.6592,
21.4336

■ 39.5870, 41.3476,
8.7127

■ 46.7365, 50.0811,
28.2531

■ 38.4152, 39.5326,
6.6921

■ 49.2374, 52.6745,
36.5119

■ 37.4370, 37.8430,
5.5439

■ 52.0563, 55.4458,
46.2882

■ 37.1093, 37.2525,
5.2346

■ 55.2070, 58.4011,
57.6545

■ 58.7028, 61.5460,
70.6785

■ 62.5560, 64.8860,
85.4241

■ 66.7784, 68.4261,
101.9517

■ 68.4157, 70.9852,
104.7034

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.2834, 45.3994, 18.6892



42.6254, 45.3994, 15.9676



35.1243, 45.3994, 19.4903

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.6254, 45.3994, 15.9676



30.7608, 45.3994, 78.3126



59.1362, 45.3994, 74.8101

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42.6254, 45.3994, 15.9676



21.1495, 18.7444, 59.6298

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



52.3154, 45.3994, 100.4739



42.6254, 45.3994, 15.9676



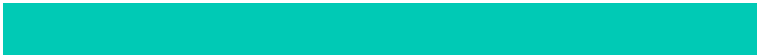
35.9269, 45.3994, 102.9176

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.6254, 45.3994, 15.9676



28.8536, 45.3994, 50.9584



43.6804, 45.3994, 112.1146



61.5288, 45.3994, 47.9368

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.6254, 45.3994, 15.9676



31.5836, 45.3994, 25.8884



43.6804, 45.3994, 112.1146



57.2448, 45.3994, 84.1322

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42.6265, 45.4015, 15.9685



85.7928, 91.4223, 75.1806



31.6171, 21.2397, 18.9061



18.1525, 19.3641, 15.3513



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.6265, 45.4015, 15.9685



67.2535, 70.8746, 18.0386



40.7035, 52.8292, 17.5035



11.9304, 12.6498, 11.8923



23.4297, 23.5924, 3.3189



1.2629, 1.3255, 0.1893

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.1495, 18.7444, 59.6298



28.3076, 22.6211, 97.4821



22.1715, 15.4742, 58.9448



10.8041, 11.2485, 14.1721



7.5362, 4.0964, 36.3497



0.4477, 0.3293, 1.8949

Previews

White Background



This preview shows how the XYZ color 42.6254, 45.3994, 15.9676 looks on a white background.

Color Contrast Check

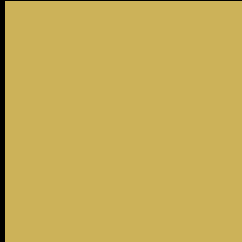
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 42.6254, 45.3994, 15.9676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

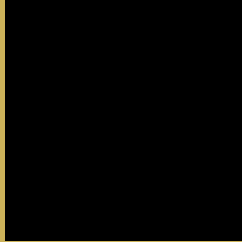
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6254, 45.3994, 15.9676

Background



This preview shows how black text looks on a background with the XYZ color 42.6254, 45.3994, 15.9676.



This preview shows how white text looks on a background with the XYZ color 42.6254, 45.3994,

15.9676.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.6254, 45.3994, 15.9676

Protanopia

41.7199, 45.5228, 16.2608

Deuteranopia

46.2700, 45.2533, 16.1936



Tritanopia

49.4945, 45.3385, 49.8586

Trichromacy



Original Color

42.6254, 45.3994, 15.9676

Protanomaly

42.0530, 45.3959, 16.2187

Deuteranomaly

45.0058, 45.4574, 16.0749

Tritanomaly

46.3923, 45.1985, 34.2960

Monochromacy



Original Color

42.6254, 45.3994, 15.9676

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.0059, 43.8970, 32.6973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6254, 45.3994, 15.9676 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(204, 178, 89)` looks like.

```
.text, #text, p{  
    color:rgb(204, 178, 89)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(204, 178, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 178, 89) }
```

Border

The CSS property to change the border of an element to XYZ 42.6254, 45.3994, 15.9676 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 178, 89) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(204, 178, 89) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(204, 178, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 178, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 178, 89);  
box-shadow:4px 4px 4px 4px rgb(204, 178,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6254, 45.3994, 15.9676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 178, 89) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(204,  
178, 89) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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